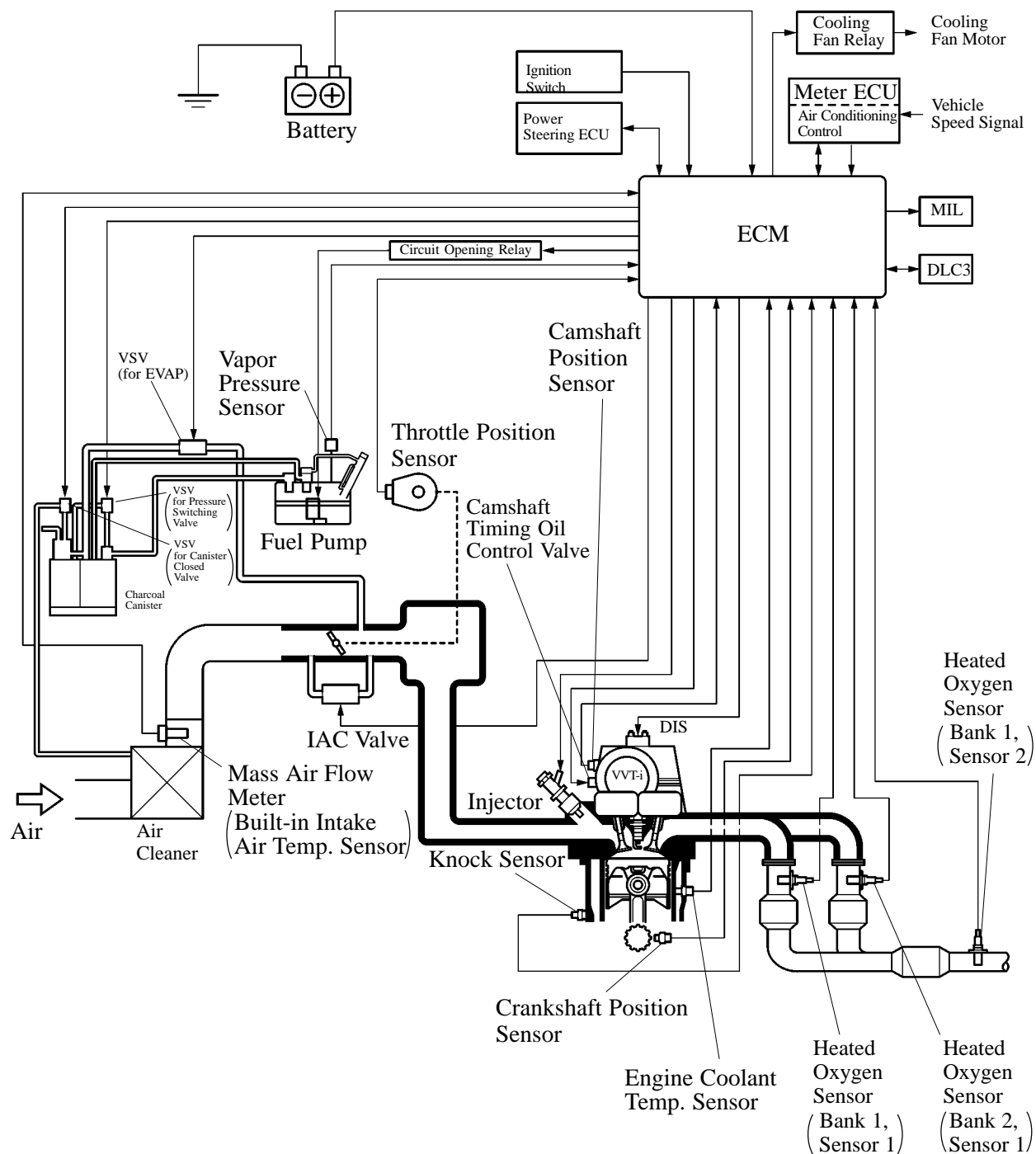
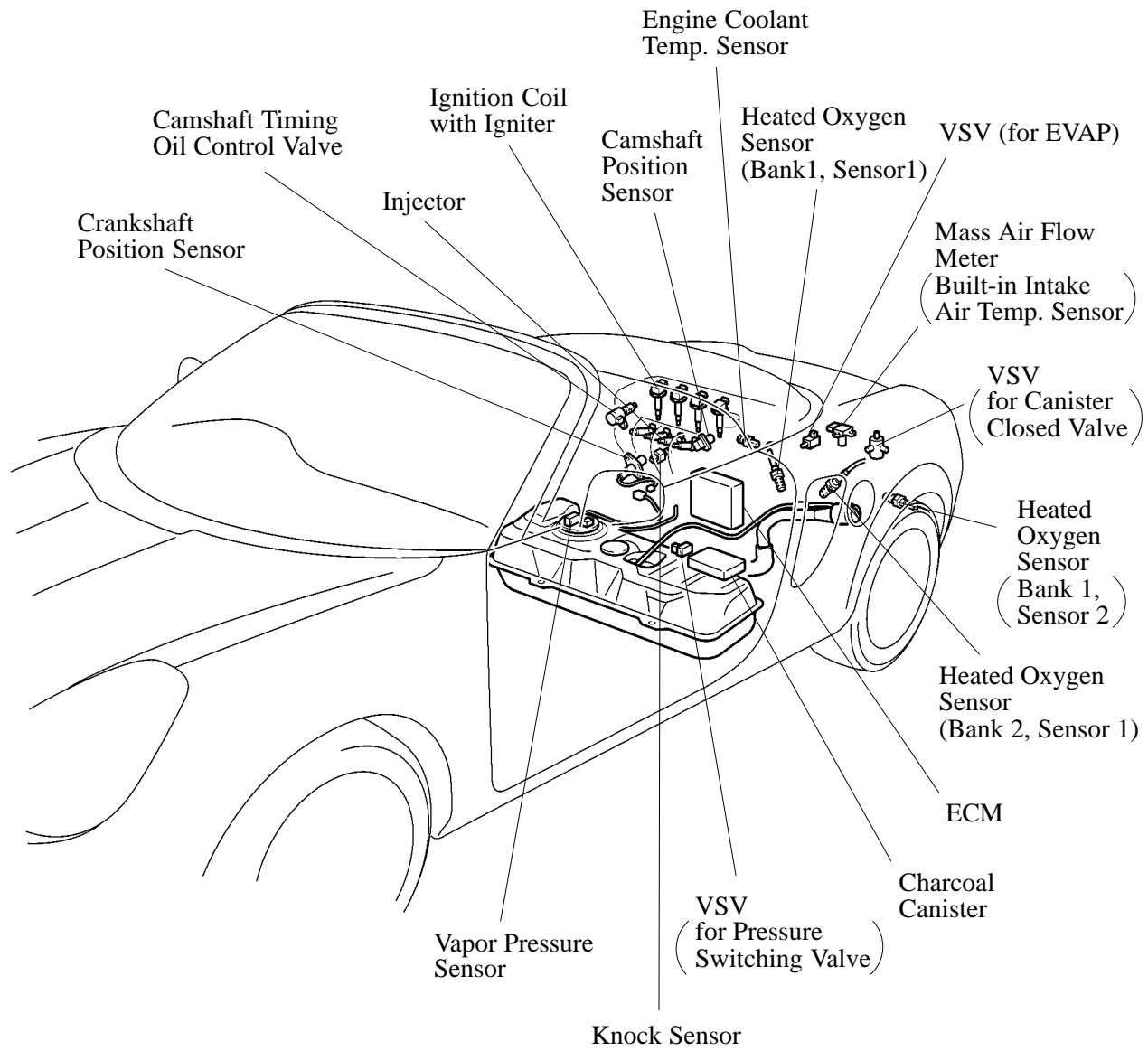


3. Engine Control System Diagram



4. Layout of Main Components



5. Main Components of Engine Control System

The main components of the 1ZZ-FE engine control system are as follows:

Components	Outline	Quantity
Mass Air Flow Meter	Hot-Wire Type	1
Crankshaft Position Sensor (Rotor Teeth)	Pick-Up Coil Type (36-2)	1
Camshaft Position Sensor (Rotor Teeth)	Pick-Up Coil Type (3)	1
Throttle Position Sensor	Linear Type	1
Knock Sensor	Built-In Piezoelectric Element Type	1
Oxygen Sensor	Heated Oxygen Sensor (Bank 1, Sensor 1) (Bank 2, Sensor 1) (Bank 1, Sensor 2)	3
Injector	12-Hole Type	4
IAC Valve	Rotary Solenoid Type (1-Coil Type)	1